

NAME: _____

Test Prep 2

There are two quick solving problems on this page (all the integrals should be quick; if not, then you made a mistake). If you finish this page, try the extra problems on the back (for an extra point). You have 10 minutes!

1. (Separable) Find the general explicit solution to $\frac{dy}{dt} = \frac{t}{y^2}$

2. (Integrating Factor) Find the explicit general solution to $\frac{dy}{dt} + \frac{1}{t}y = t$ (You may assume $t > 0$).